

Logicom Essential

Logicom Essential PMR446 Talkie-Walkie User Manual

Model: Essential

INTRODUCTION

The Logicom Essential PMR446 Talkie-Walkie is a reliable communication device designed for various outdoor and professional activities. This manual provides comprehensive instructions to help you understand its features, set it up, operate it effectively, and maintain it for optimal performance. The Essential PMR446 offers license-free communication with a range of up to 10 km, 16 channels, and 121 privacy codes, ensuring clear and stable transmissions. It features a 1.27-inch backlit LCD screen, VOX hands-free function, an integrated flashlight, and an emergency alert mode. Built for durability, it is resistant to drops up to 1.2 meters and has an IP22 rating for splash and dust protection. The 1000 mAh lithium battery provides up to 20 hours of autonomy and recharges via USB Type-C.

WHAT'S IN THE BOX

Your Logicom Essential PMR446 package includes the following items:

- 2 x Logicom Essential PMR446 Talkie-Walkies
- 2 x 1000 mAh Li-ion Rechargeable Batteries
- 2 x Belt Clips
- 1 x USB-C Charging Cable
- 1 x User Manual

Hält Stürzen aus bis zu 1,2 Metern Höhe stand



Figure 1: The Logicom Essential PMR446 Talkie-Walkie package contents, including two talkie-walkies, batteries, and belt clips.

SETUP

1. Battery Installation

1. Ensure the talkie-walkie is powered off.
2. Locate the battery compartment cover on the back of the device.
3. Open the cover and insert the 1000 mAh Li-ion battery, ensuring the contacts align correctly.
4. Close the battery compartment cover securely.

2. Charging the Battery

Before first use, fully charge the talkie-walkie battery. Use the provided USB-C charging cable.

1. Connect the USB-C cable to the charging port on the side of the talkie-walkie.
2. Connect the other end of the USB-C cable to a compatible USB power adapter (not included) or a computer USB port.

3. The charging indicator on the LCD screen will show the charging status. A full charge typically takes several hours.



Figure 2: The USB-C charging port located on the side of the talkie-walkie, allowing for convenient recharging.

3. Attaching the Belt Clip

To attach the belt clip:

1. Align the belt clip with the designated slots on the back of the talkie-walkie.
2. Slide the clip downwards until it clicks securely into place.

Taschenlampe integriert



**Wenn Sie die Taste gedrückt halten,
wird ein Notruf ausgelöst**

Figure 3: Side view of the talkie-walkie showing the attached belt clip for easy portability.

OPERATING INSTRUCTIONS

1. Power On/Off and Volume Control

To power on the talkie-walkie, rotate the top knob clockwise. Continue rotating to increase the volume. Rotate counter-clockwise to decrease volume and power off the device.

2. Channel Selection

The Logicom Essential PMR446 has 16 available channels. To select a channel:

1. Press the **Menu** button (often labeled with three horizontal lines or 'M').
2. Use the **Up** and **Down** arrow buttons to navigate to the channel selection option.
3. Press **Menu** again to confirm, then use the **Up** and **Down** arrows to select your desired channel (1-16).
4. Press **Menu** to save the selection.

3. Privacy Codes (CTCSS/DCS)

To ensure private communication and reduce interference, you can use one of the 121 privacy codes (CTCSS/DCS). Both talkie-walkies must be on the same channel and privacy code to communicate.

1. Press the **Menu** button.
2. Navigate to the privacy code setting (often labeled 'CT' or 'DCS').
3. Press **Menu** again, then use the **Up** and **Down** arrow buttons to select a code (0-121). Code 0 means no privacy code is active.
4. Press **Menu** to save the selection.

4. Push-to-Talk (PTT)

To transmit your voice, press and hold the **PTT** button (usually on the side of the device) while speaking clearly into the microphone. Release the button to listen.

5. VOX Hands-Free Function

The VOX (Voice Operated eXchange) function allows you to transmit without pressing the PTT button. The talkie-walkie will automatically transmit when it detects your voice.

1. Press the **Menu** button.
2. Navigate to the VOX setting.
3. Press **Menu** again, then use the **Up** and **Down** arrows to select a VOX sensitivity level (e.g., 1-3, with 3 being most sensitive). Select 'OFF' to disable VOX.
4. Press **Menu** to save the selection.

6. Integrated Flashlight

The talkie-walkie includes an integrated flashlight for use in low-light conditions. To activate the flashlight, press the dedicated flashlight button (often labeled with a light icon).



Figure 4: The talkie-walkie demonstrating its integrated flashlight feature, useful for dark environments.

7. Emergency Alert Mode

In case of an emergency, the talkie-walkie features an alert mode. Press and hold the designated emergency button (often combined with the flashlight button or a separate alert button) to activate an audible alarm signal.

Torcia integrata



**Tenendo premuto il pulsante si attiva
un allarme di emergenza**

Figure 5: Close-up view of the talkie-walkie's LCD display, showing channel and battery status, along with the control buttons.

KEY FEATURES

- **Extended Range:** Communicate up to 10 kilometers in optimal conditions, ideal for outdoor adventures and professional use.
- **Long Battery Life:** The 1000 mAh lithium battery provides up to 20 hours of continuous use on a single charge.
- **Durable Design:** Engineered to withstand drops from up to 1.2 meters and features an IP22 rating for protection against splashes and dust.
- **Noise Reduction:** Equipped with noise reduction technology for clearer audio transmission and reception.
- **PMR446 License-Free:** Operates on the PMR446 frequency band, allowing for free communication without subscriptions or additional fees.

Porta di ricarica USB-C



Autonomia
Fino a 20 ore

Figure 6: Illustration highlighting the 10 km communication range and PMR446 technology with 16 channels and 121 codes.

Eliminazione automatica dell'inquinamento acustico



Figure 7: The talkie-walkie demonstrating its durability with resistance to drops from 1.2 meters and an IP22 rating for environmental protection.



Figure 8: Graphic representation of the automatic noise reduction feature, ensuring clearer audio quality.

MAINTENANCE

Cleaning

- Wipe the talkie-walkie with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure the device is dry before storing or using.

Battery Care

- To prolong battery life, avoid fully discharging the battery frequently.
- Store the talkie-walkie in a cool, dry place when not in use for extended periods.
- Recharge the battery at least once every three months if stored for a long time.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Battery is depleted or not installed correctly.	Charge the battery. Ensure the battery is inserted with correct polarity and the compartment cover is secure.
Cannot communicate with another talkie-walkie	Different channels or privacy codes. Out of range.	Ensure both talkie-walkies are on the same channel and privacy code. Move closer to the other unit.
Poor audio quality or static	Weak signal, interference, or low battery.	Move to an open area. Check battery level and recharge if necessary. Ensure no obstructions are blocking the signal.
VOX not activating	VOX sensitivity too low or feature is off.	Increase VOX sensitivity level in the menu. Ensure VOX is enabled.

TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	Logicom
Model Number	Essential
Color	Black
Number of Channels	16
Special Feature	Noise Reduction
Maximum Range	10 Kilometers
Voltage	210 Volts

Feature	Specification
Water Resistance Level	Moisture Resistant (IP22)
Product Dimensions (L x W x H)	150mm x 30mm x 50mm
Battery Type	1000 mAh Li-ion (1 battery required per unit)
Included Components	Talkie-Walkies, Li-ion Batteries, Belt Clips, USB-C Charging Cable, User Manual
Country of Origin	China

WARRANTY INFORMATION

The Logicom Essential PMR446 Talkie-Walkie comes with a **2-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by misuse, accidents, unauthorized modifications, or normal wear and tear.

CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Logicom customer support. Refer to the contact information provided on the product packaging or the official Logicom website.